

# MONTANA BIG SKY PATHWAYS



## **Education & Training:**

Administration & Administrative Support;  
Professional Support Services; Teaching /  
Training

## **Government & Public Administration :**

Governance; National Security; Foreign  
Services; Planning; Revenue & Taxation;  
Regulation; Public Management & Administration

**Human Services:** Early Childhood Development  
& Services; Counseling & Mental Health  
Services; Family & Community Services;  
Personal Care Services; Consumer Services

## **Law, Public Safety, Corrections & Security:**

Correction Services; Emergency & Fire  
Management Services; Security & Protective  
Services; Law Enforcement Services; Legal  
Services

## Human Services & Resources

## Health Sciences

Therapeutic Services; Diagnostic Services; Support  
Services; Health Informatics; Biotechnology  
Research and Development

## Arts , A/V Technology & Communications

A/V Technology & Film; Printing Technology; Visual  
Arts; Performing Arts; Journalism & Broadcasting  
Telecommunications

Food Products & Processing Systems; Plant  
Systems; Animal Systems; Power, Structure &  
Technical Systems; Natural Resources Systems;  
Environmental Services Systems; Agribusiness  
Systems

## Agriculture, Food & Natural Resources

### Postsecondary & Workforce Readiness Foundation knowledge & skills for all career pathways include:

Academic Foundations – Communications –  
Problem-Solving – Critical Thinking –  
Information Technology Applications-  
Employability & Career Development – Safety –  
Health & Environmental – Leadership &  
Teamwork – Ethics & Legal Responsibility –  
Technical Skills

### Montana Graduation Requirements

English – 4; Math – 2; Sciences – 2;  
Social Studies – 2; PE – 1; Health – 1;  
Career Technical Education – 1

### Advanced Learning Opportunities

Dual Credit, Running Start, Work-Related  
Experience, Statewide Articulations

### Postsecondary Opportunities

Internships, Apprenticeships  
Four-Year Postsecondary Programs  
Two-Year Post Secondary Programs

**Business Management & Administration:** General  
Management; Business Information Management;  
Operation Management  
Human Resources Management; Administrative  
Support

**Finance:** Securities & Investments; Business  
Finance; Accounting; Insurance; Banking Services

**Hospitality & Tourism:** Restaurants & Food &  
Beverage Services; Lodging; Travel & Tourism;  
Recreation, Amusements & Attractions

**Information Technology:** Network Systems;  
Information Support & Services; Web & Digital  
Communications, Programming & Software  
Development.

**Marketing:** Marketing Management; Professional  
Sales; Merchandising; Marketing Communications;  
Marketing Research

## Business, Management & Information Systems

## Industrial, Manufacturing & Engineering Systems

**Architecture & Construction:** Design / Pre-Construction;  
Construction; Maintenance/ Operations

**Manufacturing:** Production; Manufacturing; Production  
Process Development; Maintenance; Installation & Repair;  
Quality Assurance; Logistics & Inventory Control; Health,  
Safety & Environmental Assurance

**Science, Technology, Engineering & Mathematics:**  
Engineering & Technology, Science & Math

**Transportation, Distribution & Logistics:** Transportation;  
Operations; Logistics Planning & Manage-  
ment Services; Warehousing & Distribution Center Operations;  
Facility & Mobile Equipment Maintenance; Transportation  
Systems/Infrastructure Planning; Management & Regulation;  
Health, Safety & Environmental Management; Sales & Service

## Definitions for Montana Big Sky Pathways

The **Montana University System (MUS)** and the Office of Public Instruction (OPI) recommend these definitions to be used in Big Sky Pathways development statewide.

### Career Field:

Six Career Fields make up the broad organizing structure that Montana has chosen to portray this initiative in our state. As seen on the model, the Career Fields are shown as: Arts and Communications; Business Management and Information Systems; Environmental and Agriculture Systems; Health Sciences; Human Services and Resources; and Industrial, Manufacturing and Engineering Systems.

### Career Clusters:

An organizing framework defining Career and Technical Education using the 16 clusters of occupations and **86 (double-heck this)** related pathways with validated standards that ensure opportunities for all students regardless of their career goals and interests.

### Big Sky Pathway (Program of Study):

A tool to organize a coherent, articulated sequence of rigorous academic and career courses leading to **employment**, an industry recognized certificate or licensure, and/or a post-secondary degree and beyond.

**Running Start/Dual Credit - 20-9-706:** Running start program—authorizing class credits at postsecondary institution—eligibility—payment for credits.

- (1) As used in this section, "postsecondary institution" means a unit of the Montana university system, a public community college, or a tribal college.
- (2) A school district may enter into an interlocal agreement pursuant to Title 7, chapter 11, with a postsecondary institution to institute a "running start" program to allow 11th and 12th grade students, as defined by the district, to attend classes at the postsecondary institution at a cost determined by the interlocal agreement and to obtain credits in classes not available through the school district.
- (3) An agreement entered into by the district and the postsecondary institution must state the amount for each credit to be paid to the postsecondary institution by the district or the student.
- (4) To participate in the program, a student shall complete a running start application provided by the district. The district shall determine whether the student has the skills needed to succeed in the proposed college coursework. If accepted, a student may earn both high school and college credits as determined by the interlocal agreement.
- (5) In registering 11th and 12th grade students in the program, a postsecondary institution may not displace adult students attending the postsecondary institution.
- (6) If accepted into the program, the student is responsible for transportation, books, and all supplies.
- (7) If a student accepted into the program drops out of a class or classes at the postsecondary institution during the drop period established by the postsecondary institution, the postsecondary institution shall reimburse the district or the student the cost associated with the student's credits as determined by the interlocal agreement.

**Articulation:** Carl D. Perkins Act of 2006 Section 3 (4) The term "articulation agreement" means a written commitment –

- (A) that is agreed upon at the State level for approved annually by the lead administrators of –
  - (i) a secondary institution and a postsecondary educational institution; or
  - (ii) a sub-baccalaureate degree granting postsecondary educational institution and a baccalaureate degree granting educational institution;
- (B) to a program that is:
  - (i) designed to provide students with a non-duplicative sequence of progressive achievement leading to technical skill proficiency, a credential, a certificate, or a degree and
  - (ii) linked through credit transfer agreements between 2 institutions described in clause (i) or (ii) of subparagraph (A) (as the case, may be)